

# INTERNATIONAL SEARCH REPORT

IB2004/050899

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B27/34 H04N7/24 H04N5/00 G06F9/46 H04H1/00  
H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G11B H04N G06F H04H H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)  
EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.             |
|------------|--|-----------------------------------|
| X          | US 5 859 949 A (YANAGIHARA NAOFUMI)<br>12 January 1999 (1999-01-12)  | 1-5,<br>9-15,<br>19-21,<br>25, 26 |
| Y          | column 2, line 1 - column 4, line 58<br><br>column 7, line 7 - column 10, line 6<br>column 10, line 46 - line 64<br>column 12, line 66 - column 14, line 23<br>figures 1A-1D, 2, 3A, 3B, 5, 7, 8, 21-23<br><br>-----<br>-/-- | 6-8,<br>16-18,<br>22-24,<br>27-34 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

15 November 2004

Date of mailing of the international search report

23/11/2004

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| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT |   |                                      |
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| Y  | BUNGUM O W: "TRANSMULTIPLEXING,<br>TRANSCONTROL AND TRANSSCRAMBLING OF<br>MPEG-2/DVB SIGNAL"<br>INTERNATIONAL BROADCASTING CONVENTION,<br>LONDON, GB,<br>12 September 1996 (1996-09-12), pages<br>288-293, XP002040478<br>the whole document  | 6,16,22,<br>27-29,<br>32,33          |
| A  | JP 10 028252 A (SANYO ELECTRIC CO LTD)<br>27 January 1998 (1998-01-27)<br><br>figure 9  | 1-6,<br>11-16,<br>19-22,<br>27-29,34 |
| A  | WO 01/50761 A (KONINKL PHILIPS ELECTRONICS<br>NV) 12 July 2001 (2001-07-12)<br><br>page 7, line 12 - page 12, line 6<br>page 19, line 4 - line 13<br>figures 1,2  | 1-6,<br>11-16,<br>19-22,<br>27-29,34 |
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| A  | "Information technology - Generic coding<br>of moving pictures and associated audio<br>information - Part1: systems"<br>ISO/IEC JTC1/SC29/WG11 N0801, XX, XX,<br>13 November 1994 (1994-11-13), XP002033056<br>the whole document   | 1-34                                 |
| A  | GERHARD MÖLL: "Service Informationen (SI)<br>für DVB Systeme"<br>FERNSEH UND KINOTECHNIK, VDE VERLAG GMBH.<br>BERLIN, DE, 1 April 1996 (1996-04-01),<br>pages 163-171, XP002075221<br>ISSN: 0015-0142<br>the whole document   | 1-34                                 |

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